



Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.

14004-017001

Application No.

09/438,872

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant

Kent C. Cochrum et al.

Filing Date

November 12, 1999

Group Art Unit

1651

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>M</i>	AA	2,387,642	10/23/45	Calhoun			
	AB	3,206,361	09/14/65	Shelley et al.			
	AC	3,507,851	04/21/70	Ghetie et al.			
	AD	3,810,473	05/14/74	Cruz Jr. et al.			
	AE	3,959,079	05/25/76	Mareschi et al.			
	AF	3,959,080	05/25/76	Orth et al.			
	AG	4,137,399	01/30/79	Hülsmann et al.			
	AH	4,175,183	11/20/79	Ayers			
	AI	4,298,598	11/03/81	Schwarz et al.			
	AJ	4,362,567	12/07/82	Schwarz et al.			
	AK	4,377,572	03/22/83	Schwarz et al.			
	AL	4,405,324	09/20/83	Cruz, Jr.			
	AM	4,414,976	11/15/83	Schwarz et al.			
	AN	4,427,651	01/24/84	Stroetmann			
	AO	4,543,410	09/24/85	Cruz, Jr.			
	AP	4,549,653	10/29/85	Lauritzen			
	AQ	4,554,156	11/19/85	Fischer et al.			
	AR	4,556,056	12/03/85	Fischer et al.			
	AS	4,599,209	07/08/86	Dautzenberg et al.			
	AT	4,616,644	10/14/86	Saferstein et al.			
	AU	4,617,326	10/14/86	Björnberg et al.			
	AV	4,626,253	12/02/86	Broadnax, Jr.			
	AW	4,640,778	02/03/87	Blomback et al.			
	AX	4,665,164	05/12/87	Pernemalm et al.			
	AY	4,696,286	09/29/87	Cochrum			
	AZ	4,738,849	04/19/88	Sawyer			
	AAA	4,749,689	06/07/88	Miyata et al.			

Examiner Signature

*June Mark*

Date Considered

*8/12/05*

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>14004-017001</b>	Application No. <b>09/438,872</b>
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>m</i>	ABB	4,777,249	10/11/88	Bridgeford			
	ACC	4,793,336	12/27/88	Wang			
	ADD	4,973,683	11/27/90	Lindgren			
	AEE	5,015,476	05/14/91	Cochrum et al.			
	AFF	5,035,893	07/30/91	Shioya et al.			
	AGG	5,059,654	10/22/91	Hou et al.			
	AHH	5,064,652	11/12/91	Bay			
	AII	5,064,950	11/12/91	Okuma et al.			
	AJJ	5,076,265	12/31/91	Wokalek			
	AKK	5,077,210	12/31/91	Eigler et al.			
	ALL	5,081,041	01/14/92	Yafuso et al.			
	AMM	5,098,417	03/24/92	Yamazaki et al.			
	ANN	5,144,016	09/01/92	Skjak-Brack et al.			
	AOO	5,185,001	02/09/93	Galanakas			
	APP	5,196,190	03/23/93	Nangia et al.			
	AQQ	5,225,047	07/06/93	Graef et al.			
	ARR	5,279,955	01/18/94	Pegg et al.			
	ASS	5,295,997	03/22/94	Vuillaume et al.			
	ATT	5,330,974	07/19/94	Pines et al.			
	AUU	5,346,485	09/13/94	Yarbrough et al.			
	AVV	5,393,304	02/28/95	Vuillaume et al.			
	AWW	5,406,671	04/18/95	Green			
	AXX	5,429,821	07/04/95	Dorian et al.			
	AYY	5,470,731	11/28/95	Cochrum			
	AZZ	5,470,576	11/28/95	Patel			
	AAAA	5,502,042	03/26/96	Gruskin et al.			
<i>✓</i>	ABBB	5,510,102	04/23/96	Cochrum			

Examiner Signature <i>Gene Marx</i>	Date Considered <i>5/12/05</i>
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>m</i>	ACCC	5,514,377	05/07/96	Cochrum et al.			
	ADDD	5,521,079	05/28/96	Dorian et al.			
	AEEE	5,531,997	07/02/96	Cochrum			
	AFFF	5,575,997	11/19/96	Leung et al.			
	AGGG	5,578,314	11/26/96	Cochrum et al.			
	AHHH	5,584,827	12/17/96	Korteweg et al.			
	AIII	5,614,204	03/25/97	Cochrum			
	AJJJ	5,624,669	04/29/97	Leung et al.			
	AKKK	5,639,467	06/17/97	Dorian et al.			
	ALLL	5,643,192	07/01/97	Hirsch et al.			
	AMMM	5,643,594	07/01/97	Dorian et al.			
	ANNN	5,643,596	07/01/97	Pruss et al.			
	AOOO	5,645,849	07/08/97	Pruss et al.			
	APPP	5,656,468	08/12/97	Dorian et al.			
	AQQQ	5,658,592	08/19/97	Tanihara et al.			
	ARRR	5,667,501	09/16/97	Fowler et al.			
	ASSS	5,679,372	10/21/97	Shimuzu et al.			
	ATTT	5,681,579	10/28/97	Freeman			
	AUUU	5,690,610	11/25/97	Ito et al.			
	AVVV	5,693,514	12/02/97	Dorian et al.			
	AWWW	5,696,101	12/09/97	Wu et al.			
	AXXX	5,733,545	03/31/98	Hood III			
	AYYY	5,739,288	04/14/98	Edwardson et al.			
	AZZZ	5,750,657	05/12/98	Edwardson et al.			
	AAAAA	5,756,464	05/26/98	Scannon et al.			
	ABBBB	5,763,410	06/09/98	Edwardson et al.			
<i>✓</i>	ACCCC	5,763,411	06/09/98	Edwardson et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>m</i>	ADDDD	5,770,194	06/23/98	Edwardson et al.			
	AEEEE	5,770,229	06/23/98	Tanihara et al.			
	AFFFF	5,773,033	06/30/98	Cochrum et al.			
	AGGGG	5,788,662	08/04/98	Antanavich et al.			
	AHHHH	5,795,570	08/18/98	Weber et al.			
	AIIII	5,795,581	08/18/98	Segalman et al.			
	AJJJJ	5,800,372	09/01/98	Bell et al.			
	AKKKK	5,804,213	09/08/98	Rolf			
	ALLLL	5,804,428	09/08/98	Edwardson et al.			
	AMMMM	5,817,381	10/06/98	Chen et al.			
	ANNNN	5,834,008	11/10/98	Greenspan et al.			
	AOOOO	5,844,087	12/01/98	Zimmerman et al.			
	APPPP	5,846,213	12/08/98	Wan			
	AQQQQ	5,855,620	01/05/99	Bishopric et al.			
	ARRRR	5,856,367	01/05/99	Barrows et al.			
	ASSSS	5,866,113	02/02/99	Hendriks et al.			
	ATTTT	5,876,742	03/02/99	Cochrum et al.			
	AUUUU	5,883,078	03/16/99	Seelich et al.			
	AVVVV	5,902,877	05/11/99	Hirai et al.			
	AWWWW	6,001,387	12/14/99	Cochrum			
	AXXXX	6,054,122	04/25/00	MacPhee et al.			
	AYYYY	6,056,970	05/02/00	Greenawalt et al.			
	AZZZZ	6,060,461	05/09/00	Drake			
	AAAAA	6,117,425	09/12/00	MacPhee et al.			
	BBBBB	6,121,508	09/19/00	Bischof et al.			
	ACCCCC	6,156,334	12/05/00	Meyer-Ingold et al.			
	ADDDDD	6,162,241	12/19/00	Coury et al.			

Examiner Signature <i>Yume Marx</i>	Date Considered 5/12/05
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U.S. Patent Documents							
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m	AEEEEEE	6,200,595	03/13/01	Motoyashiki et al.			
	AFFFFF	6,217,894	04/17/01	Sawhney et al.			
	AGGGGG	6,261,679	07/17/01	Chen et al.			
	AHHHHH	6,280,474	08/28/01	Cassidy et al.			
	AIIIII	6,303,585	10/16/01	Spiro et al.			
	AJJJJJ	6,391,048	05/21/02	Ginn et al.			
	AKKKKK	6,447,534	09/10/02	Cragg et al.			
	ALLLLL	6,454,787	09/24/02	Maddalo et al.			
	AMMMMM	6,486,285	11/26/02	Fujita			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
m	ANNNNN	854,715	11/23/60	Great Britain				
	AOOOOO	942,305	11/20/63	Great Britain				
	APPPPP	974,054	11/04/64	Great Britain				
	AQQQQQ	983,073	02/10/65	Great Britain				
	<del>ARRRRR</del>	<del>1,454,055</del>	<del>10/27/76</del>	<del>Great Britain</del>				
m	ASSSSS	2,118,482	11/02/83	Great Britain				
	ATTTTT	2,207,865	10/1991	Great Britain				
	AUUUUU	WO 00/27327	05/18/00	PCT				
	AVVVVV	WO 00/76533	12/21/00	PCT				
	WWWW	WO 01/05370	01/25/01	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
m	AXXXXX	Flodin, "Chapter 2: The preparation of dextran gels," Dextran Gels and Their Applications in Gel Filtration, Pharmacia, Uppsala, Sweden, 1962, pp. 14-26
	AYYYYY	Flodin, <u>Dextran Gels and Their Applications in Gel Filtration</u> , Pharmacia, Uppsala, Sweden, 1962, pp. 31-32

Examiner Signature <i>Gene Hane</i>	Date Considered 5/12/05
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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>m</i>	AZZZZZ	Sigma-Aldrich Product Catalog for DEAE Sephadex A25, 1 page

Examiner Signature <i>Gene Mann</i>	Date Considered 8/12/01
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